

*Hydro***FLOW**  
BY HYDROPATH®



# AGRICULTURE

## Water Treatment Solution

*HydroFLOW*® improves water penetration into the soil, enhancing root development and crop growth. It also ensures efficient irrigation, reduces biofilm, and minimises maintenance, leading to better yields and sustainable farming.

⊗ Limescale   ⊗ Biofouling   ⊗ Flocculation





# Sustainable Cleantech for H2O Treatment

## Water Treatment for Agriculture

### Why Choose *HydroFLOW*®?

#### Sustainable Cleantech for Soil and Crop Health








Agricultural irrigation systems face limescale buildup, biofouling, and nozzle blockages, leading to reduced water flow and lower crop yields.

#### *HydroFLOW*® Offers a Better Solution:

- **Enhances Soil Penetration:** Electromagnetically treats water, improves water absorption into deeper soil layers for optimal hydration and nutrient delivery.
- **Keeps Spray Jets and Nozzles Flowing:** Prevents limescale buildup, ensuring consistent and efficient water distribution.
- **Minimises Biofilm and Bacteria Growth:** Reduces blockages in irrigation lines, maintaining clean and reliable water flow.
- **Boosts Crop Yield:** Promotes healthier, more productive plants with improved irrigation efficiency.



## OUR INNOVATIVE SOLUTIONS

-  **Suitable for all pipe materials**
-  **Available for pipes up to 200mm as standard**
-  **No plumbing or cutting of pipes required**
-  **Easy retrofit - no downtime**
-  **Typically installed on the cold inlet to heat exchanger**
-  **300 x 200x 200 mm unit dimensions**
-  **3 meter cable**



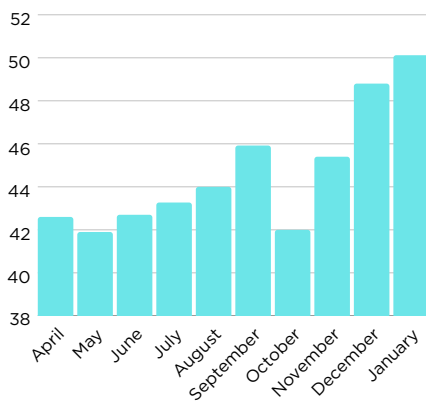


# CASE STUDY

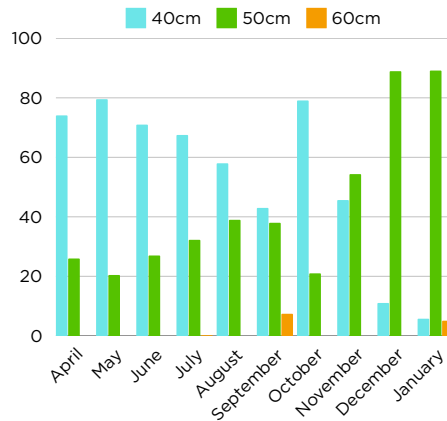
## LONG STEM ROSE GROWTH SOUTH AMERICA

A rose farm in South America, known for producing premium long-stem roses, faced challenges in maintaining growth and quality during colder months, as overall growth slowed significantly, reducing greenhouse output.

Average Stem Length (cm)



Ratio of 40cm to 50cm Stems



## RESULTS

With HydroFLOW® installed, significant improvements were observed:

- **Average Stem Length:** Increased from 43 cm in April (before installation) to 50.12 cm in January, with some rare stems reaching 60 cm.
- **Stem Quality Ratio:** The ratio of 50 cm to 40 cm stems improved dramatically, rising from 1:3 in April to nearly 18:1.

## CUSTOMER NOTED

- Reduced scale and biofouling in drip irrigation lines.
- Enhanced symmetry, colour, and uniformity of rose petals.
- Longer shelf life and superior-quality flowers.
- Taller stems with increased thickness and healthier leaves.

## RESULTS

### IMPROVED GROWTH





# WHO ARE HYDROPATH?



Founded in 1992 by Dr. Danny Stefanini, Hydropath Technology are a leading innovator in electronic water conditioning solutions. Specialising in the maintaining of limescale and treatment of biofouling, our chemical-free solutions are designed to enhance the efficiency and longevity of water systems. Based in Nottingham, UK, we have grown from a small family-run business into a global leader with a robust network of distributors and clients worldwide.



HydroFLOW® units are working all over the world on multiple applications, treating carbonate and non-carbonate scaling and filtration issues in a wide variety of industries.

- From homes to heavy industry
- From spas to steel mills
- Suitable for any pipe material
- From 15mm to 1500+mm OD pipe diameter

## Would you like a free consultation?

### CONTACT US

✉ [sales@hydropath.com](mailto:sales@hydropath.com)

☎ [+44 115 986 99 66](tel:+441159869966)

🌐 [www.hydropath.com](http://www.hydropath.com)



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